

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Claims 1-20 (canceled).

Claim 21 (new): A coolant blend for cooling a fuel cell stack, the coolant blend comprising:

a base material; and

a dye;

wherein the dye is present in an amount between about 0.00001 to 0.1% of the coolant blend by weight; and

wherein the electrical conductivity of the coolant blend is 10 $\mu$ S/cm or less at 25°C.

Claim 22 (new): The coolant blend of claim 21, wherein the dye is capable of passing through an ion exchanger in the fuel cell stack.

Claim 23 (new): The coolant blend of claim 21, wherein the hue of the dye does not change when the coolant blend is heated from room temperature to 100°C.

Claim 24 (new): The coolant blend of claim 21, wherein the dye is selected from the group consisting of azoic dyes, sulfuric dyes, vat dyes, oil-soluble dyes, disperse dyes and combinations thereof, which do not have a sulfonic acid group or a carboxyl group.

Claim 25 (new): A coolant blend for cooling a fuel cell stack, the coolant blend comprising:

a base material comprising ethylene glycol and deionized water; and

a dye;

wherein the electrical conductivity of the coolant blend is 10 $\mu$ S/cm or less at 25°C; and

wherein the dye is selected from the group consisting of Solv. Blue 63, Acid Blue 74, and Acid Red 52 as defined by the SDC.

Claim 26 (new): The coolant blend of claim 21, wherein the base material is selected from the group consisting of water, glycols, alcohols, glycol ethers, and mixtures thereof.

Claim 27 (new): The coolant blend of claim 21, and further comprising an anti-rust additive and an anti-foam agent.

Claim 28 (new): The coolant blend of claim 26, wherein the ethylene glycol is present in an amount of no more than about 50% by weight of the coolant blend.

Claim 29 (new): The coolant blend of claim 21, wherein the dye comprises Solvent Blue 63 as defined by the SDC.

Claim 30 (new): A coolant blend for cooling a fuel cell stack, the coolant blend comprising:

ethylene glycol;

deionized water; and

Solvent Blue 63 as defined by the SDC;

wherein the electrical conductivity of the coolant blend is  $10\mu\text{S/cm}$  or less at  $25^{\circ}\text{C}$ .

Claim 31 (new): A fuel cell stack assembly comprising:

- (a) a fuel cell stack; and
- (b) a fuel cell coolant blend comprising:
  - (i) a base material, and
  - (ii) a dye;
- (c) wherein the dye is present in an amount between about 0.00001 to 0.1% of the coolant blend by weight;
- (d) wherein the electrical conductivity of the coolant blend is  $10\mu\text{S}/\text{cm}$  or less at  $25^{\circ}\text{C}$ ; and
- (e) wherein the coolant blend cools the fuel cell stack.

Claim 32 (new): The fuel cell stack assembly of claim 31, wherein the hue of the dye does not change when the coolant blend is heated from room temperature to  $100^{\circ}\text{C}$ .

Claim 33 (new): The fuel cell stack assembly of claim 31, wherein the fuel cell stack assembly includes an ion exchanger, and wherein the dye is capable of passing through said ion exchanger.

Claim 34 (new): The fuel cell stack assembly of claim 31, wherein the dye is selected from the group consisting of azoic dyes, sulfuric dyes, vat dyes, oil-soluble dyes, disperse dyes and combinations thereof, which do not have a sulfonic acid group or a carboxyl group.

Claim 35 (new): The fuel cell stack assembly of claim 31, wherein the base material is selected from the group consisting of water, glycols, alcohols, glycol ethers, and mixtures thereof.

Claim 36 (new): The fuel cell stack assembly of claim 31, wherein the fuel cell coolant blend further comprises an anti-rust additive and an anti-foam agent.

Claim 37 (new): The fuel cell stack assembly of claim 35, wherein the ethylene glycol is present in an amount of no more than about 50% by weight of the coolant blend.

Claim 38 (new): The fuel cell stack assembly of claim 31, wherein the dye comprises Solvent Blue 63 as defined by the SDC.

Claim 39 (new): The fuel cell stack assembly of claim 31, wherein the dye does not include a sulfonic group or a carboxyl group.

Claim 40 (new): The fuel cell stack assembly of claim 31, wherein the base material comprises ethylene glycol and deionized water, and wherein the dye is selected from the group consisting of Solv. Blue 63, Acid Blue 74, and Acid Red 52 as defined by the SDC.

Claim 41 (new): The fuel cell stack assembly of claim 40, wherein the coolant blend comprises:

ethylene glycol;

deionized water; and

Solvent Blue 63 as defined by the SDC.